

Burwell Village College Primary

Key Vocabulary	
vehicle	something used to carry people or objects from one place to another
wheel	a circular object that spins below the vehicle to help it move
axle	a rod on which one or more wheels can rotate, either freely or be fixed to and turn with the axle
chassis	the base frame for a vehicle
dowel	a wooden rod
friction	resistance when two things rub together

Everyday Examples







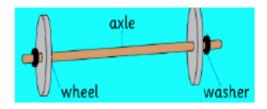


In 1896, Henry Ford created a vehicle called a Quadricycle.

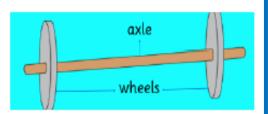


In 2001, Dean
Kamen
invented the
Segway. It is a
two-wheeled,
self-balancing electric
vehicle.

Mechanisms - Wheels and Axles



The axles of a vehicle can be attached tightly to the chassis with free wheels that turn when it moves.



The axles can be free with tightly fixed wheels that turn with the axle or through the chassis.

Pivot Point



not central



The pivot point of a wheel needs be central otherwise the vehicle will not turn smoothly.